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2016 e-Science Symposium

Apr 6th, 12:00 AM

Keynote Presentation: Data Work: Research Data Services in Canada & the U.S.

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Data Work: research data services in Canada & the U.S.

UMASS & New England Area Librarian e-Science Symposium
April 6, 2016

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graph TD; A((Research Data Services)) --- B(Data Work); A --- C(Collaboration); A --- D(Infrastructure); A --- E(Future?);
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Data Work

Collaboration

Research
Data
Services

Infrastructure

Future?

Research Data Services Surveys & Scans

	<i>Web,¹ What is Covered</i>	<i>Admin,² RDS Services Offered</i>	<i>Librarians,^{3,4} RDS roles</i>	<i>Researchers,⁵ What they want</i>
<i>Policy Formation</i>	Data Policies	RDS Strategic Plan	Policy & Advocacy	
<i>Education & Outreach</i>	Consultation & Instruction (DMP, etc.)	Information Consultation (DMP, metadata, reference, training)	Support & Training (librarians & researchers)	
<i>Data Analysis & Training</i>	Processing & Analysis		Social Science, GIS, Bioinformatics, Visualization	
<i>Tools & Infrastructure</i>	Deposit, Repositories, Storage	Technical Services (RDS systems, preparing de	Auditing & Data Repository (technical support)	2/3+ preserve, organize and manage their own data
	Storage, Archiving, Preservation	De-accessioning Data		10% or less rely on libraries (& publishers)
<i>Collaborations (internal & external, regional)</i>	DMPtool/builder (shared tool)	RDS & Research Collaboration	Research Collaborator	

1.Kouper et. al. 2016
& forthcoming

2. Tenopir/ACRL 2012,
2015

3. Gold 2007

4. Cox & Pinfield 2013
UK focus

5. ITHAKA S&R 2016
Straumsheim & Schonfeld
2016

Data Service or Data Collaboration?

- Data Service
 - emphasizes & privileges central role of certain types of
 - traditional research &
 - researchers in academia
- Data Collaboration
 - emphasizes & privileges central role of certain types of
 - traditional research & potentially emergent forms and digital methodologies
 - librarians as researchers in academia
 - OR as data workers contributing something of different but equal value (curation, digital platform or database creation, etc.)

For more on influence of this shift within DH and T&P, value of 'data curation' projects see *Siddiqui N. (2015) Data Assemblages: A Call to Conceptualize Materiality in the Academic Ecosystem in DHQ: Digital Humanities Quarterly, 9(2).*

Other Models of Collaboration

Digital Scholarship or Humanities Centers

Archives & Special Collections

Researcher/Society Databases & Data Collections

Museum Collections Data Liberation Initiative

Social Science Data Archives

What is Digital Infrastructure? How Does Infrastructure Impact Research?

Industry/Corporations

Legal & Policy Frameworks

Fiber-optic Networks

Professional Associations

Super Computing

Electric Grid

Data/Digital Laborers

Regional Consortia

National Funders

Data / Knowledge Workers

Political & Economic Context

National Funders

Science & Educational Policy

Globalization 2.0

Fall of Berlin Wall

Culture Wars

OECD Signators

Neoliberal Governance

Reagonomics

Deregulation

Open Access Movement

International Treaties

Transnational 'Entities'

Futures?

- More People, Professions, Interests
- Context & Scale
- Political and Economic Factors
- Privacy and Data Ethics
- Data as commodity
- Data Work/Digital Labor
- Power Relations in Infrastructure and Data Assemblages

Who defines the problem and decides on the solution? Who is missing from the conversation?



Works cited

Cox, Andrew and Stephen Pinfield. 2013. *Research data management and libraries: Current activities and future priorities*, *Journal of Librarianship and Information Science*, first published on June 28, 2013, doi: 10.1177/0961000613492542

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Thank you!

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